

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
205	M110	AND	GX	00:40:23	41:41:01	8	16		E	2	All Year	Aug13-Oct1-Dec28	All Year	
221	M32	AND	GX	00:42:41	40:52:00	8.2	7.9		E	1	All Year	Aug14-Oct2-Dec29	Apr3-Mar30	
224	M31	AND	GX	00:42:41	41:16:01	3.4	170		Sb	1	All Year	Aug14-Oct2-Dec29	All Year	Andromeda Galaxy
404		AND	GX	01:09:23	35:42:58	10.3	3.4		E	4	All Year	Aug19-Oct11-Jan3	May7-Mar29	
752		AND	OC	01:57:47	37:41:01	5.7	49	77		2	Apr25-Apr19	Aug27-Oct21-Jan13	May25-Apr9	
891		AND	GX	02:22:35	42:21:02	9.9	13		Sb	3	All Year	Sep1-Oct27-Jan18	May22-Apr19	
7640		AND	GX	23:22:04	40:50:56	11.3	10		SBc	5	All Year	Jul31-Sep11-Dec10	All Year	
7662		AND	PN	23:25:52	42:32:59	8.3	0.5			3	All Year	Aug1-Sep12-Dec11	All Year	Blue Snowball
7686		AND	OC	23:30:10	49:08:00	5.6	14	80		4	All Year	Aug1-Sep13-Dec12	All Year	
6709		AQL	OC	18:51:29	10:20:55	6.7	12	111		2	All Year	Jun5-Jul5-Aug25	Jan12-Dec24	
6738		AQL	OC	19:01:23	11:35:54	~8	14			5	All Year	Jun8-Jul7-Aug31	Jan13-Dec27	
6755		AQL	OC	19:07:47	04:13:56	7.5	14	157		4	Jan11-Jan1	Jun10-Jul9-Sep3	Jan24-Dec22	
6760		AQL	GC	19:11:11	01:01:57	9	6.3			5	Jan16-Dec29	Jun11-Jul10-Sep6	Jan29-Dec20	
6981	M72	AQR	GC	20:53:28	-12:32:04	8.6	2.9			2	Mar18-Jan7	Jul5-Aug5-Oct26	Apr14-Dec29	
6994	M73	AQR	OC	20:58:58	-12:38:05	8.9	3			3	Mar21-Jan8	Jul6-Aug6-Oct28	Apr17-Dec30	
7009		AQR	PN	21:04:10	-11:22:05	8	0.5			2	Mar21-Jan11	Jul7-Aug7-Oct30	Apr17-Jan1	Saturn Nebula
7089	M2	AQR	GC	21:33:28	-00:49:06	6	6.9			1	Mar13-Jan25	Jul12-Aug15-Nov9	Apr6-Jan17	
7184		AQR	GX	22:01:41	-20:49:02	10.8	5.8		Sb	5	Apr19-Jan13	Jul17-Aug22-Nov19	Jun9-Jan2	
7293		AQR	PN	22:29:34	-20:48:09	7.3	14.3			3	May31-Jan18	Jul22-Aug29-Nov27	Jun17-Jan8	Helix Nebula
7606		AQR	GX	23:19:04	-08:29:10	10.8	5.3		S	5	May26-Feb8	Jul30-Sep11-Dec9	Jun12-Jan31	
7727		AQR	GX	23:39:52	-12:18:11	10.6	4.5		S	5	Jun9-Feb9	Aug3-Sep16-Dec14	Jun22-Jan31	
772		ARI	GX	01:59:17	19:00:55	10.3	7.1		Sb	4	Jun12-Apr1	Aug27-Oct21-Jan13	Jun23-Mar24	
1664		AUR	OC	04:51:06	43:42:03	7.6	17	101		3	Jun15-May28	Sep28-Dec4-Feb15	Jul1-May16	
1778		AUR	OC	05:08:06	37:03:00	7.7	6.9	112		3	Jul3-May21	Oct1-Dec8-Feb18	Jul13-May11	
1857		AUR	OC	05:20:12	39:21:01	7	5.8	23		3	Jul1-May26	Oct3-Dec11-Feb21	Jul13-May16	
1893		AUR	OC	05:22:42	33:23:59	7.5	10	270		3	Jul10-May19	Oct4-Dec12-Feb21	Jul20-May10	
1907		AUR	OC	05:28:00	35:18:59	8.2	6.9	113		3	Jul9-May22	Oct5-Dec13-Feb22	Jul19-May13	

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NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
1912	M38	AUR	OC	05:28:42	35:50:00	6.4	20	160		1	Jul8-May23	Oct5-Dec13-Feb22	Jul18-May13	
1960	M36	AUR	OC	05:36:06	34:07:59	6	11	50		1	Jul12-May22	Oct6-Dec15-Feb24	Jul21-May13	Pinwheel Cluster
2099	M37	AUR	OC	05:52:24	32:32:58	5.6	23	1842		1	Jul17-May23	Oct9-Dec19-Feb27	Jul26-May14	Salt-and-Pepper Cluster
2126		AUR	OC	06:03:00	49:54:04	~10	5.8			5	All Year	Oct12-Dec22-Mar1	Jul3-Jun10	
2281		AUR	OC	06:49:19	41:03:59	5.4	14	119		3	Jul15-Jun15	Oct20-Jan3-Mar10	Jul26-Jun2	
5248		BOO	GX	13:37:30	08:52:55	10.3	6.1		Sc	4	Oct29-Sep24	Jan15-Apr16-May21	Nov7-Aug31	
5466		BOO	GC	14:05:30	28:31:50	9	8.5			5	All Year	Jan23-Apr23-May25	All Year	
5676		BOO	GX	14:32:48	49:27:47	11.2	3.9		Sc	5	All Year	Feb1-Apr30-May30	All Year	
1502		CAM	OC	04:07:42	62:20:09	5.7	7.9	63		2	All Year	Sep20-Nov23-Feb7	All Year	
2146		CAM	GX	06:18:44	78:21:11	10.6	5.8		S	5	All Year	Oct15-Dec26-Mar4	All Year	
2336		CAM	GX	07:27:10	80:11:09	10.4	6.9		SBc	4	All Year	Oct28-Jan12-Mar17	All Year	
2403		CAM	GX	07:36:56	65:36:03	8.5	21		Sc	2	All Year	Oct30-Jan15-Mar19	All Year	
7099	M30	CAP	GC	21:40:22	-23:11:06	8	5.8			2	May15-Jan5	Jul13-Aug17-Nov12	Jun7-Dec25	
103		CAS	OC	00:25:16	61:21:02	9.8	4.7	88		5	All Year	Aug11-Sep27-Dec25	All Year	
129		CAS	OC	00:29:52	60:14:05	6.5	20	193		3	All Year	Aug12-Sep29-Dec26	All Year	
133		CAS	OC	00:31:10	63:22:03	~9	6.9			5	All Year	Aug12-Sep29-Dec26	All Year	
146		CAS	OC	00:33:04	63:18:06	9.1	6.9	132		5	All Year	Aug12-Sep29-Dec26	All Year	
147		CAS	GX	00:33:10	48:30:02	9.5	12		dE	4	All Year	Aug12-Sep29-Dec26	All Year	
185		CAS	GX	00:38:59	48:20:02	9.2	11		dE	4	All Year	Aug13-Oct1-Dec28	All Year	
189		CAS	OC	00:39:34	61:04:05	8.8	3.9	90		5	All Year	Aug13-Oct1-Dec28	All Year	
225		CAS	OC	00:43:22	61:47:06	7	11	76		3	All Year	Aug14-Oct2-Dec29	All Year	
278		CAS	GX	00:52:04	47:33:00	10.8	2		S	5	All Year	Aug15-Oct4-Dec31	All Year	
281		CAS	CN	00:52:46	56:37:05	~7	34			4	All Year	Aug16-Oct4-Dec31	All Year	PacMan Nebula
381		CAS	OC	01:08:16	61:35:04	~9	5.8			5	All Year	Aug18-Oct8-Jan3	All Year	
436		CAS	OC	01:15:34	58:49:06	8.8	5.8	49		4	All Year	Aug20-Oct10-Jan4	All Year	
457		CAS	OC	01:19:05	58:20:06	6.4	12	204		2	All Year	Aug20-Oct11-Jan5	All Year	Owl Cluster
559		CAS	OC	01:29:28	63:18:05	9.5	3.9	120		5	All Year	Aug22-Oct14-Jan7	All Year	

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NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
581	M103	CAS	OC	01:33:11	60:42:07	7.4	5.8	172		2	All Year	Aug23-Oct15-Jan8	All Year	
637		CAS	OC	01:42:53	64:00:08	8.2	3.9	55		4	All Year	Aug24-Oct17-Jan10	All Year	
654		CAS	OC	01:44:05	61:53:07	6.5	4.7	83		2	All Year	Aug25-Oct17-Jan10	All Year	
659		CAS	OC	01:44:11	60:42:07	7.9	4.7	186		4	All Year	Aug25-Oct17-Jan10	All Year	
663		CAS	OC	01:45:59	61:15:07	7.1	15	108		2	All Year	Aug25-Oct18-Jan10	All Year	
IC1805		CAS	CN	02:32:41	61:27:08	6.5	21			3	All Year	Sep2-Oct30-Jan20	All Year	
1027		CAS	OC	02:42:41	61:33:08	6.7	19	152		3	All Year	Sep4-Nov1-Jan22	All Year	
IC1848		CAS	CN	02:51:11	60:26:08	6.5	11			4	All Year	Sep6-Nov3-Jan23	All Year	
7654	M52	CAS	OC	23:24:10	61:35:02	7	11	173		2	All Year	Jul31-Sep12-Dec11	All Year	Cas. Salt-and-Pepper
7788		CAS	OC	23:56:40	61:24:01	~9	8.5			4	All Year	Aug6-Sep20-Dec19	All Year	
7789		CAS	OC	23:56:58	56:44:03	6.7	15	583		2	All Year	Aug6-Sep20-Dec19	All Year	
7790		CAS	OC	23:58:22	61:13:04	8.5	16	134		4	All Year	Aug6-Sep21-Dec19	All Year	
5102		CEN	GX	13:22:01	-36:37:52	9.6	8.5		S0	5	Dec19-Jun4	Jan11-Apr12-May18	-	
5253		CEN	GX	13:39:55	-31:38:55	10.4	4.7		S0	5	Dec10-Jun21	Jan16-Apr17-May21	Dec28-Jun4	
40		CEP	PN	00:12:57	72:32:05	12.3	0.6			5	All Year	Aug9-Sep24-Dec22	All Year	
188		CEP	OC	00:43:52	85:20:10	8.1	13	550		4	All Year	Aug14-Oct2-Dec29	All Year	
6939		CEP	OC	20:31:22	60:37:54	7.8	7.9	301		2	All Year	Jun30-Jul30-Oct16	All Year	
6946		CEP	GX	20:34:46	60:08:54	8.8	11		Sc	3	All Year	Jul1-Jul31-Oct18	All Year	
6951		CEP	GX	20:37:11	66:05:44	10.7	3.8		Sb	5	All Year	Jul2-Aug1-Oct19	All Year	
7023		CEP	CN	21:00:27	68:09:56	~7	17			4	All Year	Jul6-Aug7-Oct28	All Year	
IC1396		CEP	CN	21:39:04	57:29:57	~3.5	160			2	All Year	Jul13-Aug16-Nov11	All Year	Elephant Trunk
7142		CEP	OC	21:45:51	65:47:58	9.3	3.9	186		5	All Year	Jul14-Aug18-Nov14	All Year	
7160		CEP	OC	21:53:39	62:35:58	6.1	6.9	61		3	All Year	Jul16-Aug20-Nov16	All Year	
7235		CEP	OC	22:12:34	57:16:58	7.7	3.9	98		4	All Year	Jul19-Aug25-Nov22	All Year	
7510		CEP	OC	23:11:28	60:34:02	7.9	3.9	75		2	All Year	Jul29-Sep9-Dec8	All Year	
157		CET	GX	00:34:47	-08:24:12	10.4	4.1		S	4	Jun20-Feb23	Aug12-Sep30-Dec27	Jun30-Feb14	
210		CET	GX	00:40:34	-13:52:13	10.9	4.7		Sbc	5	Jun27-Feb19	Aug14-Oct1-Dec28	Jul7-Feb10	

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246		CET	PN	00:46:59	-11:53:13	10.9	4			4	Jun26-Feb22	Aug15-Oct3-Dec29	Jul6-Feb13	
247		CET	GX	00:47:05	-20:46:15	9.1	21		Irr	3	Jul6-Feb14	Aug15-Oct3-Dec30	Jul15-Feb4	
578		CET	GX	01:30:29	-22:40:16	10.9	4.7		Sc	5	Jul16-Feb20	Aug22-Oct14-Jan7	Jul25-Feb9	
584		CET	GX	01:31:17	-06:52:13	10.5	4.1		E	5	Jul1-Mar7	Aug22-Oct14-Jan7	Jul10-Feb26	
596		CET	GX	01:32:53	-07:02:13	10.9	3.1		Ebc	5	Jul1-Mar7	Aug23-Oct15-Jan8	Jul10-Feb27	
720		CET	GX	01:52:59	-13:44:15	10.2	4.5		Ecd	4	Jul11-Mar5	Aug26-Oct20-Jan12	Jul19-Feb24	
864		CET	GX	02:15:29	05:59:50	10.9	4.5		Sc	5	Jun29-Mar25	Aug30-Oct25-Jan16	Jul8-Mar17	
908		CET	GX	02:23:05	-21:14:18	10.2	5.8		Sc	4	Jul23-Mar4	Sep1-Oct27-Jan18	Aug1-Feb21	
936		CET	GX	02:27:35	-01:09:12	10.1	4.5		SB0	4	Jul7-Mar22	Sep1-Oct28-Jan19	Jul15-Mar14	
1052		CET	GX	02:41:05	-08:15:15	10.5	2.9		Ebc	4	Jul15-Mar19	Sep4-Nov1-Jan21	Jul23-Mar10	
1055		CET	GX	02:41:47	00:25:48	10.6	7.4		Sb	5	Jul9-Mar26	Sep4-Nov1-Jan21	Jul17-Mar17	
1068	M77	CET	GX	02:42:41	-00:01:12	8.8	6.9		Sb	2	Jul9-Mar25	Sep4-Nov1-Jan22	Jul17-Mar17	
1087		CET	GX	02:46:23	-00:30:12	10.9	3.5		Sc	5	Jul10-Mar26	Sep5-Nov2-Jan22	Jul18-Mar18	
2204		CMA	OC	06:15:43	-18:39:16	8.6	12	353		4	Aug30-Apr17	Oct14-Dec25-Mar3	Sep8-Apr8	
2207		CMA	GX	06:16:24	-21:22:18	10.8	4.2		Sc	5	Sep2-Apr15	Oct14-Dec26-Mar3	Sep11-Apr5	
2217		CMA	GX	06:21:42	-27:14:19	10.7	4.2		SB0a	5	Sep10-Apr9	Oct15-Dec27-Mar5	Sep21-Mar29	
2243		CMA	OC	06:29:49	-31:17:18	9.4	4.7	368		5	Sep17-Apr5	Oct17-Dec29-Mar6	Oct1-Mar22	
2287	M41	CMA	OC	06:47:01	-20:44:15	4.5	36	69		1	Sep7-Apr21	Oct20-Jan2-Mar9	Sep16-Apr12	
2345		CMA	OC	07:08:19	-13:10:13	7.7	11	59		4	Sep3-May1	Oct24-Jan7-Mar13	Sep12-Apr23	
2354		CMA	OC	07:14:19	-25:44:15	6.5	19	297		3	Sep17-Apr20	Oct25-Jan9-Mar14	Sep28-Apr10	
2360		CMA	OC	07:17:49	-15:37:13	7.2	12	91		3	Sep7-May1	Oct26-Jan10-Mar15	Sep16-Apr22	
2362		CMA	CN	07:18:49	-24:57:15	4.1	7.9			2	Sep17-Apr22	Oct26-Jan10-Mar15	Sep28-Apr12	Mexican Jumping Star
2367		CMA	OC	07:20:07	-21:56:14	7.9	3.9	15		4	Sep14-Apr25	Oct26-Jan10-Mar15	Sep24-Apr16	
2374		CMA	OC	07:24:01	-13:16:13	8	19	73		4	Sep6-May4	Oct27-Jan11-Mar16	Sep15-Apr26	
2383		CMA	OC	07:24:49	-20:56:14	8.4	5.8	11		4	Sep14-Apr27	Oct27-Jan12-Mar16	Sep24-Apr18	
2384		CMA	OC	07:25:07	-21:02:14	7.4	2.9	15		4	Sep14-Apr27	Oct27-Jan12-Mar16	Sep24-Apr18	
2632	M44	CNC	OC	08:40:07	19:58:53	3.1	89	161		1	Aug26-Jun11	Nov11-Jan31-Mar30	Sep3-Jun2	Praesepe/Behive Cluster

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NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
2682	M67	CNC	OC	08:50:25	11:48:42	7	29	324		2	Sep3-Jun6	Nov13-Feb2-Apr1	Sep11-May29	
2775		CNC	GX	09:10:19	07:01:52	10.1	4.2		Sa	4	Sep10-Jun6	Nov17-Feb7-Apr5	Sep18-May29	
1808		COL	GX	05:07:42	-37:31:22	9.9	6.3		Sa	5	Sep17-Mar6	Oct1-Dec8-Feb18	-	
1851		COL	GC	05:14:06	-40:03:22	7.2	10			4	-	Oct2-Dec10-Feb20	-	
4147		COM	GC	12:10:07	18:32:53	10.2	4.5			5	Oct5-Aug27	Dec24-Mar25-May6	Oct13-Aug3	
4192	M98	COM	GX	12:13:49	14:53:53	10	7.9		Sb	3	Oct8-Aug22	Dec25-Mar26-May6	Oct17-Jul28	
4203		COM	GX	12:15:07	33:11:51	10.9	3.3		S0	5	All Year	Dec25-Mar26-May7	Oct1-Sep14	
4251		COM	GX	12:18:07	28:09:55	10.7	3.5		S0	5	All Year	Dec26-Mar27-May7	Oct7-Sep1	
4254	M99	COM	GX	12:18:49	14:24:53	10	4.7		Sc	3	Oct10-Aug24	Dec26-Mar27-May7	Oct18-Jul29	Coma Pinwheel Galaxy
4274		COM	GX	12:19:49	29:36:51	10.4	6.6		SBa	4	All Year	Dec27-Mar27-May7	Oct6-Sep6	
4278		COM	GX	12:20:07	29:16:51	10.2	3.9		E	5	All Year	Dec27-Mar28-May7	Oct6-Sep6	
4293		COM	GX	12:21:13	18:22:54	10.4	5.5		SB0	4	Oct7-Sep4	Dec27-Mar28-May8	Oct16-Aug8	
4314		COM	GX	12:22:37	29:52:51	10.6	4.1		SBa	5	All Year	Dec27-Mar28-May8	Oct6-Sep9	
4321	M100	COM	GX	12:22:55	15:48:53	9.4	6.9		Sc	3	Oct9-Aug29	Dec27-Mar28-May8	Oct18-Aug4	
4382	M85	COM	GX	12:25:25	18:10:53	9.3	4.7		S0	3	Oct8-Sep6	Dec28-Mar29-May8	Oct17-Aug11	
4394		COM	GX	12:25:55	18:12:53	10.9	3.5		SBb	5	Oct8-Sep6	Dec28-Mar29-May8	Oct17-Aug11	
4414		COM	GX	12:26:25	31:12:51	10.1	3.5		Sc	4	All Year	Dec28-Mar29-May9	Oct5-Sep14	
4450		COM	GX	12:28:31	17:04:53	10.1	5		Sb	4	Oct10-Sep5	Dec29-Mar30-May9	Oct18-Aug10	
4459		COM	GX	12:29:01	13:58:53	10.4	3.4		S0	5	Oct12-Aug29	Dec29-Mar30-May9	Oct21-Aug3	
4473		COM	GX	12:29:49	13:25:53	10.2	4.2		E	5	Oct13-Aug28	Dec29-Mar30-May9	Oct21-Aug2	
4477		COM	GX	12:30:01	13:37:53	10.4	3.7		SB0	5	Oct13-Aug28	Dec29-Mar30-May9	Oct21-Aug3	
4494		COM	GX	12:31:25	25:46:51	9.8	4.7		E	3	Oct2-Sep29	Dec29-Mar30-May9	Oct11-Sep2	
4501	M88	COM	GX	12:32:00	14:24:53	9.5	5.8		Sb	3	Oct12-Sep1	Dec29-Mar31-May9	Oct21-Aug6	Markarian's Chain
4548	M91	COM	GX	12:35:24	14:12:53	10.2	4.2		Sc	3	Oct12-Sep3	Dec30-Mar31-May10	Oct21-Aug8	
4559		COM	GX	12:36:01	27:57:51	10	10		Sc	4	All Year	Dec30-Apr1-May10	Oct10-Sep11	
4565		COM	GX	12:36:19	25:58:51	9.6	15		Sb	3	All Year	Dec31-Apr1-May10	Oct12-Sep6	
4651		COM	GX	12:43:43	16:23:53	10.8	3.9		Sc	5	Oct12-Sep12	Jan1-Apr3-May11	Oct21-Aug17	

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4689		COM	GX	12:47:49	13:45:53	10.9	4.2		Sc	5	Oct16-Sep8	Jan2-Apr4-May12	Oct24-Aug13	
4725		COM	GX	12:50:24	25:29:51	9.4	10		Sb	3	All Year	Jan3-Apr4-May13	Oct15-Sep13	
4826	M64	COM	GX	12:56:42	21:40:52	8.6	7.4		Sb	2	Oct11-Oct1	Jan4-Apr6-May14	Oct20-Sep7	Black Eye Galaxy
5024	M53	COM	GC	13:12:54	18:09:53	8	9.5			2	Oct17-Oct2	Jan9-Apr10-May16	Oct26-Sep7	
5053		COM	GC	13:16:24	17:41:53	9.9	8.5			5	Oct18-Oct2	Jan9-Apr11-May17	Oct27-Sep8	
IC1297		CRA	PN	19:17:23	-39:36:51	10.7	0.2			5	-	Jun13-Jul11-Sep9	-	
3887		CRT	GX	11:47:07	-16:51:08	10.6	3.1		S	5	Oct30-Jun17	Dec19-Mar19-May2	Nov8-Jun7	
3962		CRT	GX	11:54:43	-13:58:03	10.7	2.5		Ebc	5	Oct28-Jun22	Dec21-Mar21-May3	Nov6-Jun12	
4038		CRV	GX	12:01:55	-18:52:01	10.3	5		S	4	Nov3-Jun18	Dec22-Mar23-May4	Nov13-Jun7	Antennae Galaxies
4039		CRV	GX	12:01:55	-18:53:07	10.6	3		S	4	Nov3-Jun18	Dec22-Mar23-May4	Nov13-Jun7	Antennae Galaxies
4361		CRV	PN	12:24:31	-18:48:00	10.9	1.5			5	Nov8-Jun24	Dec28-Mar29-May8	Nov18-Jun12	
4111		CVN	GX	12:07:07	43:03:50	10.7	4.5		S0	5	All Year	Dec24-Mar24-May5	All Year	
4143		CVN	GX	12:09:37	42:31:57	10.7	2.2		S0	5	All Year	Dec24-Mar25-May6	All Year	
4151		CVN	GX	12:10:31	39:23:51	10.8	6.1		Sa	5	All Year	Dec24-Mar25-May6	All Year	
4214		CVN	GX	12:15:37	36:19:50	9.8	8.2		Irr	3	All Year	Dec26-Mar26-May7	Sep28-Sep24	
4244		CVN	GX	12:17:31	37:48:50	10.4	16		Sc	4	All Year	Dec26-Mar27-May7	All Year	
4258	M106	CVN	GX	12:19:01	47:17:49	8.3	17		Sb	2	All Year	Dec26-Mar27-May7	All Year	
4449		CVN	GX	12:28:13	44:05:49	9.6	6.1		Irr	3	All Year	Dec29-Mar30-May9	All Year	
4490		CVN	GX	12:30:37	41:37:50	9.8	6.1		S	3	All Year	Dec29-Mar30-May9	All Year	Cocoon Galaxy
4618		CVN	GX	12:41:31	41:08:50	10.8	4.1		S	5	All Year	Jan1-Apr2-May11	All Year	
4631		CVN	GX	12:42:07	32:31:50	9.2	15		Sc	3	All Year	Jan1-Apr2-May11	Oct7-Sep27	Whale Galaxy
4656		CVN	GX	12:44:01	32:09:50	10.5	14		S	5	All Year	Jan1-Apr3-May12	Oct8-Sep27	
4736	M94	CVN	GX	12:50:55	41:06:49	8.2	4.7		Sb	2	All Year	Jan3-Apr4-May13	All Year	
5005		CVN	GX	13:10:54	37:02:49	9.8	5.5		Sb	3	All Year	Jan8-Apr9-May16	All Year	
5033		CVN	GX	13:13:24	36:35:49	10.2	10		Sc	4	All Year	Jan9-Apr10-May16	All Year	
5055	M63	CVN	GX	13:15:48	42:01:48	8.6	8.5		Sb	2	All Year	Jan9-Apr11-May17	All Year	Sunflower Galaxy
5194	M51	CVN	GX	13:29:54	47:11:48	8.1	10		Sc	1	All Year	Jan13-Apr14-May19	All Year	Whirlpool Galaxy

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
5195		CVN	GX	13:30:00	47:15:48	9.6	5.5		Irr	3	All Year	Jan13-Apr14-May19	All Year	
5272	M3	CVN	GC	13:42:12	28:22:50	6	17			1	All Year	Jan17-Apr17-May21	Oct23-Oct16	
6811		CYG	OC	19:38:10	46:33:50	6.8	12	249		3	All Year	Jun19-Jul17-Sep21	All Year	
6819		CYG	OC	19:41:16	40:10:51	7.3	4.7	929		2	All Year	Jun19-Jul17-Sep22	All Year	
6826		CYG	PN	19:44:46	50:30:51	8.8	0.5			2	All Year	Jun20-Jul18-Sep24	All Year	Blinking Nebula
6834		CYG	OC	19:52:10	29:24:52	7.8	4.7	128		4	All Year	Jun22-Jul20-Sep28	All Year	
6866		CYG	OC	20:03:40	43:59:51	7.6	6.9	129		3	All Year	Jun25-Jul23-Oct4	All Year	
6871		CYG	OC	20:05:52	35:46:52	5.2	19	66		3	All Year	Jun25-Jul24-Oct5	All Year	
6874		CYG	OC	20:08:00	38:12:00	7.7	7.9			5	All Year	Jun26-Jul24-Oct6	All Year	
6883		CYG	OC	20:11:16	35:50:52	~8	14			5	All Year	Jun26-Jul25-Oct8	All Year	
6910		CYG	OC	20:23:04	40:46:52	7.4	7.9	66		3	All Year	Jun29-Jul28-Oct13	All Year	
6913	M29	CYG	OC	20:23:52	38:31:53	7	6.9	81		1	All Year	Jun29-Jul28-Oct13	All Year	Cooling Tower Cluster
6960		CYG	NB	20:45:40	30:42:53	?	68			4	All Year	Jul3-Aug3-Oct23	All Year	Veil Nebula
6997		CYG	OC	20:56:28	44:37:51	~10	7.9			5	All Year	Jul5-Aug6-Oct27	All Year	
7008		CYG	PN	21:00:35	54:32:45	10.7	1.7			5	All Year	Jul6-Aug7-Oct28	All Year	
7027		CYG	PN	21:07:04	42:13:53	8.5	0.3			3	All Year	Jul7-Aug8-Oct31	All Year	
7031		CYG	OC	21:07:16	50:49:54	9.1	4.7	62		5	All Year	Jul7-Aug8-Oct31	All Year	
7039		CYG	OC	21:11:10	45:38:54	7.6	24	185		4	All Year	Jul8-Aug9-Nov2	All Year	
7062		CYG	OC	21:23:10	46:22:54	8.3	6.9	85		4	All Year	Jul10-Aug12-Nov6	All Year	
7067		CYG	OC	21:24:10	48:00:54	9.7	2.9	47		5	All Year	Jul10-Aug13-Nov6	All Year	
7063		CYG	OC	21:24:22	36:29:54	7	7.9	66		3	All Year	Jul11-Aug13-Nov6	All Year	
7082		CYG	OC	21:29:22	47:04:55	7.2	24	182		4	All Year	Jul12-Aug14-Nov8	All Year	
7086		CYG	OC	21:30:28	51:34:55	8.4	8.5	80		4	All Year	Jul12-Aug14-Nov8	All Year	
7092	M39	CYG	OC	21:32:10	48:25:56	5	29	28		2	All Year	Jul12-Aug15-Nov9	All Year	
7128		CYG	OC	21:43:58	53:42:56	9.7	2.9	71		5	All Year	Jul14-Aug18-Nov13	All Year	
6891		DEL	PN	20:15:11	12:41:51	10.5	0.3			5	All Year	Jun27-Jul26-Oct9	Feb3-Jan12	
6934		DEL	GC	20:34:10	07:23:54	8.9	6.9			3	Feb2-Jan20	Jul1-Jul31-Oct18	Feb19-Jan12	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
7006		DEL	GC	21:01:28	16:10:52	10.6	2.7			5	All Year	Jul6-Aug7-Oct29	Feb15-Jan24	
3147		DRA	GX	10:16:57	73:23:59	10.6	3.8		Sb	5	All Year	Nov30-Feb24-Apr16	All Year	
4125		DRA	GX	12:08:07	65:10:50	9.7	5.5		E	3	All Year	Dec24-Mar24-May5	All Year	
4589		DRA	GX	12:37:28	74:12:00	10.7	3.1		E	5	All Year	Dec31-Apr1-May10	All Year	
5866	M102	DRA	GX	15:06:30	55:45:45	10	2.9		S0	3	All Year	Feb14-May9-Jun5	All Year	Spindle Galaxy
5907		DRA	GX	15:15:54	56:18:45	10.3	12		Sc	4	All Year	Feb17-May11-Jun7	All Year	Splinter Galaxy
6503		DRA	GX	17:49:22	70:08:46	10.2	6.9		Sc	4	All Year	May9-Jun19-Jul22	All Year	
6543		DRA	PN	17:58:34	66:37:47	8.1	0.4			2	All Year	May14-Jun21-Jul26	All Year	Cat Eye Nebula
1084		ERI	GX	02:45:59	-07:35:15	10.7	3.1		S	5	Jul16-Mar20	Sep5-Nov2-Jan22	Jul23-Mar12	
1187		ERI	GX	03:02:35	-22:52:16	10.8	5.3		Sc	5	Aug1-Mar9	Sep8-Nov6-Jan26	Aug10-Feb27	
1232		ERI	GX	03:09:47	-20:35:19	9.9	7.1		Sc	4	Jul31-Mar13	Sep9-Nov8-Jan27	Aug8-Mar3	
1300		ERI	GX	03:19:41	-19:25:18	10.4	6.1		SBc	4	Jul31-Mar16	Sep11-Nov11-Jan29	Aug9-Mar6	
1332		ERI	GX	03:26:17	-21:20:19	10.3	4.5		S0	4	Aug4-Mar15	Sep12-Nov12-Jan30	Aug12-Mar5	
1395		ERI	GX	03:38:29	-23:02:17	9.6	5.8		Ecd	3	Aug7-Mar15	Sep14-Nov15-Feb1	Aug16-Mar5	
1407		ERI	GX	03:40:12	-18:35:18	9.7	4.5		S0	4	Aug3-Mar20	Sep15-Nov16-Feb2	Aug11-Mar11	
1532		ERI	GX	04:12:05	-32:52:19	9.9	12		Sc	3	Aug26-Mar8	Sep21-Nov24-Feb8	Sep11-Feb19	
1537		ERI	GX	04:13:41	-31:39:19	10.6	3.8		E	5	Aug24-Mar10	Sep21-Nov24-Feb8	Sep7-Feb23	
1535		ERI	PN	04:14:12	-12:44:17	9.6	0.8			3	Aug4-Apr1	Sep21-Nov25-Feb8	Aug12-Mar24	
1600		ERI	GX	04:31:41	-05:05:14	10.9	2.3		Ebc	5	Aug1-Apr10	Sep24-Nov29-Feb12	Aug9-Apr2	
1637		ERI	GX	04:41:30	-02:51:14	10.8	3.9		S	5	Aug1-Apr14	Sep26-Dec1-Feb13	Aug9-Apr6	
1097		FOR	GX	02:46:17	-30:17:21	9.5	9		SBb	3	Aug7-Feb24	Sep5-Nov2-Jan22	Aug19-Feb10	
1201		FOR	GX	03:04:05	-26:04:20	10.7	3.5		E	5	Aug4-Mar5	Sep8-Nov7-Jan26	Aug15-Feb22	
1255		FOR	GX	03:13:29	-25:44:16	10.9	4.1		Sc	5	Aug5-Mar8	Sep10-Nov9-Jan28	Aug16-Feb24	
1302		FOR	GX	03:19:53	-26:04:17	10.7	3.8		S0a	5	Aug7-Mar8	Sep11-Nov11-Jan29	Aug17-Feb25	
1316		FOR	GX	03:22:41	-37:12:23	8.5	11		S0	3	Aug27-Feb15	Sep11-Nov11-Jan29	-	
1344		FOR	GX	03:28:17	-31:04:18	10.4	5.8		Ecd	5	Aug15-Mar3	Sep12-Nov13-Jan30	Aug28-Feb16	
1350		FOR	GX	03:31:05	-33:38:22	10.3	5		Sa	5	Aug20-Feb26	Sep13-Nov14-Jan31	Sep7-Feb8	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
1360		FOR	PN	03:33:17	-25:51:17	9.4	7.3			3	Aug9-Mar11	Sep13-Nov14-Feb1	Aug19-Feb28	
1365		FOR	GX	03:33:35	-36:08:22	9.6	11		Sc	3	Aug26-Feb21	Sep13-Nov14-Feb1	-	
1371		FOR	GX	03:34:59	-24:56:17	10.7	5.5		Sa	5	Aug8-Mar13	Sep14-Nov15-Feb1	Aug18-Mar2	
1379		FOR	GX	03:36:05	-35:27:18	10.9	2.3		E	5	Aug25-Feb23	Sep14-Nov15-Feb1	-	
1380		FOR	GX	03:36:29	-34:59:18	9.9	4.7		S0	4	Aug24-Feb24	Sep14-Nov15-Feb1	-	
1385		FOR	GX	03:37:29	-24:30:17	10.9	3.3		Sb	5	Aug8-Mar14	Sep14-Nov15-Feb1	Aug18-Mar3	
1399		FOR	GX	03:38:29	-35:27:22	9.6	6.6		E	4	Aug25-Feb23	Sep14-Nov15-Feb1	-	
1398		FOR	GX	03:38:53	-26:20:20	9.7	6.9		SBa	3	Aug11-Mar12	Sep14-Nov16-Feb1	Aug21-Feb28	
1404		FOR	GX	03:38:53	-35:35:22	10	3.1		E	4	Aug26-Feb23	Sep14-Nov16-Feb1	-	
1425		FOR	GX	03:42:11	-29:54:18	10.6	5.5		Sc	5	Aug16-Mar7	Sep15-Nov16-Feb2	Aug28-Feb22	
1427		FOR	GX	03:42:17	-35:25:18	10.9	3.5		Irr	5	Aug26-Feb24	Sep15-Nov16-Feb2	-	
2129		GEM	OC	06:01:00	23:17:55	6.7	6.9	73		3	Jul27-May16	Oct11-Dec22-Mar1	Aug4-May8	
IC2157		GEM	OC	06:05:00	23:59:56	8.4	6.9	56		4	Jul27-May17	Oct12-Dec23-Mar1	Aug4-May9	
2158		GEM	OC	06:07:30	24:05:56	8.6	4.7	973		3	Jul27-May18	Oct13-Dec23-Mar2	Aug4-May10	
2168	M35	GEM	OC	06:08:54	24:19:55	5.1	29	434		1	Jul27-May18	Oct13-Dec24-Mar2	Aug4-May10	
2266		GEM	OC	06:43:12	26:57:57	~10	6.9			3	Jul31-May26	Oct19-Jan1-Mar8	Aug8-May18	
2331		GEM	OC	07:07:13	27:20:56	~9	17			5	Aug3-May31	Oct24-Jan7-Mar13	Aug12-May22	
2395		GEM	OC	07:27:07	13:34:52	8	11	53		4	Aug18-May23	Oct28-Jan12-Mar17	Aug26-May16	
2392		GEM	PN	07:29:13	20:54:54	9.1	0.8			2	Aug13-May29	Oct28-Jan13-Mar17	Aug21-May21	Eskimo Nebula
2420		GEM	OC	07:38:31	21:33:54	8.3	9.5	304		2	Aug14-Jun1	Oct30-Jan15-Mar19	Aug22-May24	
IC1459		GRU	GX	22:57:10	-36:28:10	10	5		E	5	Jul10-Dec28	Jul27-Sep5-Dec4	-	
IC4593		HER	PN	16:11:43	12:03:53	10.7	0.2			5	All Year	Mar15-May25-Jun19	Dec5-Nov14	
6205	M13	HER	GC	16:41:41	36:27:49	5.7	22			1	All Year	Apr1-Jun2-Jun27	All Year	Hercules Cluster
6210		HER	PN	16:44:29	23:48:51	8.8	0.3			3	All Year	Apr2-Jun3-Jun28	All Year	
6229		HER	GC	16:46:59	47:31:46	9.4	4.1			4	All Year	Apr3-Jun3-Jun28	All Year	
6341	M92	HER	GC	17:17:05	43:07:48	6.5	7.9			1	All Year	Apr21-Jun11-Jul8	All Year	
2548	M48	HYA	OC	08:13:49	-05:48:10	5.8	38	37		1	Sep9-May18	Nov6-Jan24-Mar25	Sep18-May10	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
2784		HYA	GX	09:12:19	-24:10:09	10.2	5.3		S0	4	Oct8-May12	Nov17-Feb8-Apr5	Oct18-May2	
2986		HYA	GX	09:44:19	-21:17:09	10.8	3.1		S0ab	5	Oct10-May20	Nov24-Feb16-Apr11	Oct21-May11	
3242		HYA	PN	10:24:49	-18:38:06	7.7	0.7			2	Oct15-May30	Dec2-Feb26-Apr18	Oct25-May21	Ghost of Jupiter Nebula
3585		HYA	GX	11:13:19	-26:45:02	9.9	4.5		E	4	Nov3-May30	Dec12-Mar11-Apr26	Nov15-May19	
3621		HYA	GX	11:18:19	-32:49:01	9.7	12		Sc	3	Nov14-May22	Dec13-Mar12-Apr27	Dec2-May7	
3923		HYA	GX	11:51:01	-28:48:01	9.8	5.8		Ecd	4	Nov13-Jun3	Dec20-Mar20-May2	Nov27-May22	
4105		HYA	GX	12:06:43	-29:46:07	10.7	2.6		S0bc	5	Nov18-Jun4	Dec24-Mar24-May5	Dec2-May23	
4590	M68	HYA	GC	12:39:31	-26:44:56	8	8.5			2	Nov20-Jun16	Dec31-Apr1-May11	Dec2-Jun3	
5061		HYA	GX	13:18:07	-26:50:03	10.4	3.4		Ebc	5	Nov28-Jun25	Jan10-Apr11-May17	Dec11-Jun11	
5101		HYA	GX	13:21:49	-27:26:03	10.6	5.3		SB0a	5	Nov30-Jun25	Jan11-Apr12-May18	Dec12-Jun10	
5236	M83	HYA	GX	13:37:00	-29:51:53	8	9.5		S	2	Dec6-Jun24	Jan15-Apr16-May20	Dec21-Jun8	Southern Pinwheel Galaxy
5694		HYA	GC	14:39:36	-26:31:55	10	4.1			5	Dec14-Jul26	Feb4-May2-May31	Dec28-Jul2	
7209		LAC	OC	22:05:10	46:29:56	6.7	24	98		3	All Year	Jul18-Aug23-Nov19	All Year	
7243		LAC	OC	22:15:16	49:52:56	6.4	20	38		3	All Year	Jul20-Aug25-Nov23	All Year	
2903		LEO	GX	09:32:13	21:29:53	9	12		S	2	Sep3-Jun25	Nov21-Feb13-Apr8	Sep11-Jun14	
3193		LEO	GX	10:18:25	21:53:53	10.9	2.9		E	5	Sep11-Jul10	Nov30-Feb25-Apr17	Sep19-Jun25	
3227		LEO	GX	10:23:31	19:51:53	10.3	5.3		Sb	4	Sep14-Jul9	Dec1-Feb26-Apr18	Sep22-Jun24	
3338		LEO	GX	10:42:07	13:44:53	11.1	5.8		Sc	5	Sep22-Jul5	Dec5-Mar3-Apr21	Sep30-Jun22	
3351	M95	LEO	GX	10:44:01	11:41:53	9.7	3.9		SBb	3	Sep24-Jul3	Dec6-Mar3-Apr21	Oct2-Jun21	
3368	M96	LEO	GX	10:46:49	11:48:53	9.3	5.8		Sa	3	Sep24-Jul4	Dec6-Mar4-Apr21	Oct3-Jun22	
3377		LEO	GX	10:47:43	13:58:53	10.4	5		E	4	Sep23-Jul8	Dec6-Mar4-Apr22	Oct1-Jun24	
3379	M105	LEO	GX	10:47:49	12:34:53	9.3	3.9		E	3	Sep24-Jul6	Dec6-Mar4-Apr22	Oct2-Jun23	
3384		LEO	GX	10:48:19	12:37:53	9.9	5.3		S0	3	Sep24-Jul6	Dec6-Mar4-Apr22	Oct2-Jun23	
3412		LEO	GX	10:50:55	13:24:53	10.5	3.5		S0	4	Sep24-Jul8	Dec7-Mar5-Apr22	Oct2-Jun24	
3489		LEO	GX	11:00:19	13:53:53	10.3	3.4		S0	5	Sep25-Jul13	Dec9-Mar7-Apr24	Oct4-Jun27	
3521		LEO	GX	11:05:49	-00:02:06	9	10		Sb	3	Oct7-Jun26	Dec10-Mar9-Apr25	Oct16-Jun15	
3607		LEO	GX	11:16:55	18:02:53	9.9	4.7		E	4	Sep25-Jul28	Dec12-Mar11-Apr27	Oct3-Jul9	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
3608		LEO	GX	11:17:01	18:08:55	10.8	3.1		E	5	Sep25-Jul29	Dec12-Mar12-Apr27	Oct3-Jul9	
3623	M65	LEO	GX	11:18:55	13:04:53	9.3	9.5		Sa	2	Sep29-Jul19	Dec13-Mar12-Apr27	Oct8-Jul2	Leo Triplet Galaxy
3627	M66	LEO	GX	11:20:13	12:58:53	9	8.5		Sb	2	Sep30-Jul19	Dec13-Mar12-Apr27	Oct8-Jul3	Leo Triplet Galaxy
3628		LEO	GX	11:20:19	13:35:53	9.5	14		Sb	3	Sep29-Jul21	Dec13-Mar12-Apr27	Oct8-Jul3	
3640		LEO	GX	11:21:07	03:13:54	10.4	3.9		E	5	Oct7-Jul4	Dec14-Mar13-Apr27	Oct16-Jun22	
3810		LEO	GX	11:41:01	11:27:53	10.8	4.2		Sc	5	Oct5-Jul26	Dec18-Mar18-May1	Oct13-Jul8	
1904	M79	LEP	GC	05:24:30	-24:33:19	8.4	7.4			2	Aug27-Apr2	Oct4-Dec12-Feb22	Sep6-Mar23	
IC418		LEP	PN	05:27:29	-12:42:16	9.3	0.2			4	Aug16-Apr14	Oct5-Dec13-Feb22	Aug24-Apr6	
1964		LEP	GX	05:33:24	-21:57:19	10.8	5.5		Sc	5	Aug26-Apr7	Oct6-Dec15-Feb23	Sep4-Mar28	
5897		LIB	GC	15:17:24	-21:00:55	8.6	12			4	Dec15-Sep6	Feb18-May11-Jun7	Dec27-Aug6	
2859		LMI	GX	09:24:19	34:30:56	10.9	4.2		SB0	5	Aug20-Jul16	Nov20-Feb11-Apr7	Aug29-Jun27	
3245		LMI	GX	10:27:19	28:29:54	10.8	3.1		S0	5	Sep7-Jul29	Dec2-Feb27-Apr18	Sep16-Jul7	
3344		LMI	GX	10:43:31	24:54:53	9.9	6.9		Sc	4	Sep13-Jul28	Dec6-Mar3-Apr21	Sep22-Jul7	
3414		LMI	GX	10:51:19	27:58:53	11	3.4		SB	5	Sep11-Aug10	Dec7-Mar5-Apr22	Sep20-Jul16	
3486		LMI	GX	11:00:25	28:57:52	10.5	6.9		Sc	5	Sep12-Aug18	Dec9-Mar7-Apr24	Sep21-Jul22	
5824		LUP	GC	15:04:00	-33:03:51	8	6.1			4	Jan1-Jul12	Feb13-May8-Jun5	Jan26-Jun16	
5986		LUP	GC	15:46:06	-37:46:49	7.5	9.5			4	Feb1-Jul3	Mar3-May19-Jun13	-	
2419		LYN	GC	07:38:07	38:52:59	10.3	4.5			5	Jul27-Jun22	Oct30-Jan15-Mar19	Aug6-Jun9	Intergalactic Wanderer
6720	M57	LYR	PN	18:53:35	33:01:51	9.7	1.3			2	All Year	Jun6-Jul5-Aug26	All Year	Ring Nebula
6779	M56	LYR	GC	19:16:35	30:10:52	8	4.7			2	All Year	Jun13-Jul11-Sep8	All Year	
2215		MON	OC	06:21:00	-07:17:13	8.4	10	40		4	Aug22-Apr28	Oct15-Dec27-Mar4	Aug29-Apr20	
2232		MON	OC	06:26:36	-04:45:13	3.9	29			4	Aug20-Apr30	Oct16-Dec28-Mar5	Aug28-Apr23	
2236		MON	OC	06:29:42	06:49:50	8.5	6.9	243		4	Aug13-May9	Oct17-Dec29-Mar6	Aug20-May1	
2237		MON	NB	06:30:18	05:02:50	?	76			4	Aug14-May8	Oct17-Dec29-Mar6	Aug22-Apr30	Rosette Nebula
2244		MON	OC	06:32:24	04:51:50	4.8	23	46		2	Aug15-May8	Oct17-Dec30-Mar6	Aug22-May1	
2250		MON	OC	06:32:48	-05:02:13	~9	7.9			5	Aug22-May1	Oct17-Dec30-Mar7	Aug30-Apr24	
2251		MON	OC	06:34:42	08:21:51	7.3	9.5	92		4	Aug12-May11	Oct18-Dec30-Mar7	Aug20-May3	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
2252		MON	OC	06:35:00	05:22:50	~8	19			5	Aug15-May9	Oct18-Dec30-Mar7	Aug22-May1	
2254		MON	OC	06:36:00	07:39:51	9.7	3.9	93		5	Aug13-May11	Oct18-Dec30-Mar7	Aug21-May3	
2261		MON	NB	06:39:12	08:43:51	?	1.9			4	Aug13-May12	Oct19-Dec31-Mar8	Aug21-May4	Hubble's Variable Nebula
2264		MON	CN	06:41:06	09:52:51	3.9	59			2	Aug12-May13	Oct19-Jan1-Mar8	Aug20-May6	Cone Nebula
2269		MON	OC	06:43:54	04:33:50	10	3.9	12		5	Aug16-May10	Oct19-Jan1-Mar9	Aug24-May2	
2286		MON	OC	06:47:37	-03:10:12	7.5	14	80		5	Aug23-May5	Oct20-Jan2-Mar9	Aug31-Apr28	
2301		MON	OC	06:51:49	00:27:49	6	11	75		3	Aug21-May8	Oct21-Jan3-Mar10	Aug29-May1	
2302		MON	OC	06:51:55	-07:04:13	8.9	2.9	16		4	Aug27-May3	Oct21-Jan3-Mar10	Sep4-Apr25	
2323	M50	MON	OC	07:03:13	-08:20:12	6	19	15		2	Aug30-May4	Oct23-Jan6-Mar12	Sep7-Apr26	Heart-Shaped Cluster
2324		MON	OC	07:04:13	01:02:49	8.4	7.9	133		4	Aug23-May11	Oct23-Jan6-Mar13	Aug30-May3	
2335		MON	OC	07:06:37	-10:05:13	7.2	11	57		4	Sep1-May3	Oct24-Jan7-Mar13	Sep9-Apr25	
2343		MON	OC	07:08:19	-10:39:13	6.7	6.9	55		3	Sep1-May3	Oct24-Jan7-Mar13	Sep10-Apr25	
2353		MON	OC	07:14:37	-10:18:13	7.1	19	106		3	Sep2-May4	Oct25-Jan9-Mar14	Sep11-Apr27	
2506		MON	OC	08:00:13	-10:47:12	7.6	6.9	807		3	Sep11-May12	Nov3-Jan21-Mar23	Sep19-May4	
6171	M107	OPH	GC	16:32:29	-13:02:57	9	6.9			3	Dec23-Oct31	Mar26-May31-Jun24	Jan2-Oct12	
6218	M12	OPH	GC	16:47:11	-01:57:01	8	9.5			2	Dec15-Nov21	Apr3-Jun3-Jun28	Dec25-Nov7	
6235		OPH	GC	16:53:23	-22:10:55	10.2	4.7			5	Jan8-Oct21	Apr7-Jun5-Jul30	Jan23-Sep25	
6254	M10	OPH	GC	16:57:05	-04:06:00	7	7.9			2	Dec19-Nov22	Apr9-Jun6-Jul1	Dec29-Nov7	
6266	M62	OPH	GC	17:01:11	-30:06:52	6.5	8.5			2	Jan26-Sep28	Apr12-Jun7-Jul3	Feb20-Aug20	
6273	M19	OPH	GC	17:02:35	-26:15:53	7	4.7			2	Jan17-Oct13	Apr12-Jun7-Jul3	Feb5-Sep13	
6284		OPH	GC	17:04:29	-24:45:54	9	5.5			4	Jan15-Oct19	Apr13-Jun8-Jul4	Feb2-Sep21	
6287		OPH	GC	17:05:11	-22:41:54	9.3	5			4	Jan12-Oct24	Apr14-Jun8-Jul4	Jan28-Sep29	
6293		OPH	GC	17:10:11	-26:34:53	8.2	7.7			3	Jan20-Oct16	Apr17-Jun9-Jul6	Feb9-Sep16	
6304		OPH	GC	17:14:29	-29:27:52	8.4	6.6			3	Jan28-Oct8	Apr20-Jun10-Jul7	Feb22-Sep1	
6316		OPH	GC	17:16:35	-28:07:53	9	4.7			4	Jan26-Oct13	Apr21-Jun11-Jul8	Feb18-Sep11	
6325		OPH	GC	17:17:59	-23:45:55	10.7	4.2			5	Jan17-Oct27	Apr21-Jun11-Jul9	Feb4-Oct2	
6333	M9	OPH	GC	17:19:11	-18:30:56	8	8.5			2	Jan9-Nov7	Apr22-Jun11-Jul9	Jan24-Oct19	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
6342		OPH	GC	17:21:11	-19:34:56	9.9	2.9			5	Jan11-Nov6	Apr23-Jun12-Jul10	Jan26-Oct17	
6356		OPH	GC	17:23:35	-17:48:56	8.3	7.1			3	Jan9-Nov10	Apr25-Jun13-Jul11	Jan24-Oct23	
6355		OPH	GC	17:23:59	-26:20:54	9.6	4.7			5	Jan24-Oct22	Apr25-Jun13-Jul11	Feb14-Sep24	
H15		OPH	OC	17:29:12	-29:31:00	9	10			4	Feb3-Oct14	Apr28-Jun14-Jul13	Mar2-Sep10	
6384		OPH	GX	17:32:23	07:03:55	10.4	6.1		Sb	5	Dec17-Dec13	Apr30-Jun15-Jul14	Dec27-Dec2	
6402	M14	OPH	GC	17:37:35	-03:15:01	9	5.8			2	Dec28-Dec4	May3-Jun16-Jul16	Jan7-Nov22	
6401		OPH	GC	17:38:35	-23:54:55	9.5	5.5			4	Jan24-Nov3	May3-Jun16-Jul17	Feb12-Oct11	
IC4665		OPH	OC	17:46:17	05:42:56	4.2	40	57		2	Dec21-Dec15	May8-Jun18-Jul20	Dec31-Dec4	
6517		OPH	GC	18:01:47	-08:58:00	10.3	4.2			5	Jan8-Dec3	May16-Jun22-Jul28	Jan21-Nov21	
6572		OPH	PN	18:12:05	06:50:55	8.1	0.3			3	Dec26-Dec22	May20-Jun25-Aug2	Jan5-Dec12	
6633		OPH	OC	18:27:41	06:33:55	4.6	26	159		2	Dec30-Dec25	May27-Jun29-Aug11	Jan10-Dec15	
1662		ORI	OC	04:48:30	10:55:51	6.4	19	59		3	Jul23-Apr25	Sep27-Dec3-Feb15	Jul31-Apr17	
1788		ORI	NB	05:06:54	-03:21:13	?	7.9			5	Aug6-Apr18	Oct1-Dec8-Feb18	Aug13-Apr10	
1973		ORI	NB	05:35:06	-04:44:13	?	4.7			2	Aug11-Apr21	Oct6-Dec15-Feb24	Aug19-Apr14	
1981		ORI	OC	05:35:12	-04:26:13	4.6	24			2	Aug11-Apr22	Oct6-Dec15-Feb24	Aug19-Apr14	
1976	M42	ORI	NB	05:35:24	-05:27:13	4	59			1	Aug12-Apr21	Oct6-Dec15-Feb24	Aug20-Apr13	Orion Nebula
1977		ORI	NB	05:35:30	-04:52:14	?	19			2	Aug12-Apr21	Oct6-Dec15-Feb24	Aug19-Apr14	
1982	M43	ORI	NB	05:35:36	-05:16:17	9	19			1	Aug12-Apr21	Oct6-Dec15-Feb24	Aug20-Apr13	
1999		ORI	NB	05:36:30	-06:42:14	?	1.9			4	Aug13-Apr20	Oct6-Dec15-Feb24	Aug21-Apr12	
2024		ORI	NB	05:41:54	-01:51:13	?	29			4	Aug11-Apr25	Oct8-Dec17-Feb25	Aug18-Apr17	
2068	M78	ORI	NB	05:46:42	00:02:48	8	7.9			2	Aug10-Apr27	Oct8-Dec18-Feb26	Aug18-Apr19	
2112		ORI	OC	05:53:54	00:23:48	8.4	10			4	Aug11-Apr28	Oct10-Dec20-Feb27	Aug19-Apr21	
2169		ORI	OC	06:08:24	13:56:52	5.9	6.9	25		3	Aug4-May10	Oct13-Dec23-Mar2	Aug12-May3	
2186		ORI	OC	06:12:12	05:26:50	8.7	3.9	21		4	Aug11-May5	Oct13-Dec24-Mar3	Aug18-Apr28	
2194		ORI	OC	06:13:48	12:47:52	8.5	9.5	194		4	Aug6-May10	Oct14-Dec25-Mar3	Aug13-May3	
7814		PEG	GX	00:03:17	16:08:53	10.6	5.3		Sab	4	Apr27-Mar8	Aug7-Sep22-Dec20	May20-Feb28	
7078	M15	PEG	GC	21:29:58	12:09:54	6.5	9.5			1	Feb16-Feb4	Jul12-Aug14-Nov8	Mar7-Jan26	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
7217		PEG	GX	22:07:52	31:21:53	10.1	3.8		Sbc	4	All Year	Jul18-Aug24-Nov20	All Year	
7331		PEG	GX	22:37:04	34:24:55	9.5	10		Sb	3	All Year	Jul23-Aug31-Nov29	All Year	
7457		PEG	GX	23:00:58	30:08:54	11.2	4.2		S0	5	All Year	Jul27-Sep6-Dec5	Mar13-Feb28	
7479		PEG	GX	23:04:53	12:18:50	10.8	3.9		SBb	5	Apr2-Feb22	Jul28-Sep7-Dec6	Apr28-Feb14	
650	M76	PER	PN	01:42:17	51:35:05	10.1	2			3	All Year	Aug24-Oct17-Jan10	All Year	Little Dumbell Nebula
744		PER	OC	01:58:23	55:29:05	7.9	10	99		4	All Year	Aug27-Oct21-Jan13	All Year	
869		PER	OC	02:18:59	57:09:06	3.5	29	217		1	All Year	Aug31-Oct26-Jan17	All Year	Sword Handle (h Persei)
884		PER	OC	02:22:23	57:07:06	3.6	29	303		1	All Year	Aug31-Oct27-Jan18	All Year	Chi Persei
957		PER	OC	02:33:35	57:32:07	7.6	10	119		3	All Year	Sep2-Oct30-Jan20	All Year	
1023		PER	GX	02:40:23	39:04:01	9.4	8.5		SB0	3	May13-Apr28	Sep4-Nov1-Jan21	Jun7-Apr18	
1039	M34	PER	OC	02:41:59	42:47:03	5.2	29	50		1	All Year	Sep4-Nov1-Jan22	May29-Apr23	Spinal Cluster
1245		PER	OC	03:14:41	47:15:04	8.4	9.5	156		3	All Year	Sep10-Nov9-Jan28	May26-May6	
1342		PER	OC	03:31:35	37:20:01	6.7	13	99		3	Jun8-May5	Sep13-Nov14-Jan31	Jun24-Apr25	
1444		PER	OC	03:49:24	52:40:06	6.6	3.9	57		3	All Year	Sep16-Nov18-Feb4	All Year	
1496		PER	OC	04:04:23	52:37:06	~10	5.8			5	All Year	Sep19-Nov22-Feb6	All Year	
1513		PER	OC	04:10:00	49:31:05	8.4	8.5	43		4	All Year	Sep20-Nov23-Feb8	Jun6-May19	
1528		PER	OC	04:15:24	51:14:05	6.4	23	165		2	All Year	Sep21-Nov25-Feb8	May29-May25	
1545		PER	OC	04:20:54	50:15:05	6.2	17	65		3	All Year	Sep22-Nov26-Feb10	Jun6-May23	
1582		PER	OC	04:32:00	43:51:03	~7	36			5	Jun8-May25	Sep24-Nov29-Feb12	Jun27-May13	
1624		PER	CN	04:40:24	50:27:05	10.4	4.7			5	All Year	Sep26-Dec1-Feb13	Jun11-May27	
488		PSC	GX	01:21:47	05:14:50	10.3	5		Sb	4	Jun17-Mar14	Aug21-Oct12-Jan6	Jun28-Mar6	
524		PSC	GX	01:24:47	09:31:51	10.3	2.7		S0	4	Jun13-Mar18	Aug21-Oct13-Jan6	Jun25-Mar10	
628	M74	PSC	GX	01:36:41	15:46:53	9.2	9.5		Sc	3	Jun9-Mar25	Aug23-Oct16-Jan9	Jun21-Mar17	
660		PSC	GX	01:42:59	13:37:52	11.2	8.2		SBa	5	Jun14-Mar25	Aug24-Oct17-Jan10	Jun25-Mar17	
741		PSC	GX	01:56:27	05:38:14	11.1	2.9		E	5	Jun25-Mar21	Aug27-Oct21-Jan13	Jul4-Mar13	
2298		PUP	GC	06:49:01	-36:00:18	9.2	4.7			4	Oct1-Mar29	Oct20-Jan3-Mar10	-	
2396		PUP	OC	07:28:07	-11:44:13	~7	9.5			5	Sep6-May6	Oct28-Jan12-Mar17	Sep14-Apr28	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
2409		PUP	OC	07:32:00	-17:06:00	7.3	22			4	Sep11-May2	Oct29-Jan13-Mar17	Sep20-Apr23	
2421		PUP	OC	07:36:19	-20:37:44	8.3	9.5	28		4	Sep16-Apr29	Oct29-Jan15-Mar18	Sep25-Apr20	
2422	M47	PUP	OC	07:36:37	-14:30:12	4.4	29	117		1	Sep10-May5	Oct30-Jan15-Mar18	Sep19-Apr27	
2423		PUP	OC	07:37:07	-13:52:13	6.7	18	86		4	Sep9-May5	Oct30-Jan15-Mar19	Sep18-Apr27	
2439		PUP	OC	07:40:49	-31:39:15	6.9	9.5	181		4	Oct1-Apr17	Oct30-Jan16-Mar19	Oct16-Apr3	
2438		PUP	PN	07:41:49	-14:44:14	10.8	1.2			4	Sep11-May6	Oct31-Jan16-Mar19	Sep20-Apr27	
2437	M46	PUP	OC	07:41:49	-14:49:12	6.1	26	186		1	Sep11-May6	Oct31-Jan16-Mar19	Sep20-Apr27	
2440		PUP	PN	07:41:55	-18:13:14	9.4	1.2			3	Sep14-May2	Oct31-Jan16-Mar19	Sep24-Apr24	
2447	M93	PUP	OC	07:44:37	-23:52:13	6.2	19	36		2	Sep21-Apr27	Oct31-Jan17-Mar20	Oct1-Apr18	Butterfly Cluster
2451		PUP	OC	07:45:25	-37:58:15	2.8	44	153		2	Oct18-Apr2	Oct31-Jan17-Mar20	-	
2453		PUP	OC	07:47:49	-27:14:14	8.3	4.7	76		4	Sep26-Apr24	Nov1-Jan17-Mar21	Oct7-Apr13	
2467		PUP	CN	07:52:35	-26:23:14	~7	7.9			4	Sep25-Apr26	Nov2-Jan19-Mar21	Oct7-Apr16	
2482		PUP	OC	07:54:55	-24:18:13	7.3	11	39		4	Sep23-Apr29	Nov2-Jan19-Mar22	Oct4-Apr19	
2489		PUP	OC	07:56:13	-30:04:14	7.9	7.9	112		5	Oct1-Apr22	Nov2-Jan20-Mar22	Oct15-Apr10	
2509		PUP	OC	08:00:43	-19:04:13	~9	7.9			5	Sep19-May5	Nov3-Jan21-Mar23	Sep28-Apr26	
2527		PUP	OC	08:05:19	-28:10:13	6.5	21	45		2	Sep30-Apr26	Nov4-Jan22-Mar24	Oct12-Apr15	
2533		PUP	OC	08:07:01	-29:54:13	7.6	3.9	124		4	Oct3-Apr24	Nov4-Jan22-Mar24	Oct17-Apr12	
2539		PUP	OC	08:10:43	-12:50:11	6.5	21	59		4	Sep15-May12	Nov5-Jan23-Mar25	Sep23-May4	
2546		PUP	OC	08:12:25	-37:38:13	6.3	40	18		4	Oct22-Apr8	Nov6-Jan24-Mar25	-	
2567		PUP	OC	08:18:37	-30:38:13	7.4	9.5	117		4	Oct7-Apr25	Nov7-Jan25-Mar26	Oct21-Apr12	
2571		PUP	OC	08:18:55	-29:44:13	7	12	49		4	Oct5-Apr26	Nov7-Jan25-Mar26	Oct18-Apr14	
2587		PUP	OC	08:23:31	-29:30:12	~9	8.5			5	Oct6-Apr27	Nov8-Jan27-Mar27	Oct19-Apr15	
2627		PYX	OC	08:37:19	-29:57:11	~8	10			5	Oct9-Apr29	Nov10-Jan30-Mar30	Oct22-Apr17	
134		SCL	GX	00:30:22	-33:15:16	10.4	8.2		Sc	4	Jul19-Jan23	Aug12-Sep29-Dec26	Aug4-Jan5	
253		SCL	GX	00:47:34	-25:17:16	7.2	26		Sc	2	Jul11-Feb8	Aug15-Oct3-Dec30	Jul21-Jan28	Sculptor Galaxy
288		SCL	GC	00:52:46	-26:35:16	8.1	13			3	Jul13-Feb8	Aug16-Oct4-Dec31	Jul24-Jan27	
613		SCL	GX	01:34:17	-29:25:18	10.1	5.3		Sc	4	Jul24-Feb12	Aug23-Oct15-Jan8	Aug5-Jan30	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
7507		SCL	GX	23:12:04	-28:32:11	10.4	2.7		S0	5	Jun27-Jan17	Jul29-Sep9-Dec8	Jul9-Jan3	
7793		SCL	GX	23:57:46	-32:35:14	9.1	9		Sd	3	Jul12-Jan18	Aug6-Sep20-Dec19	Jul27-Jan1	
6093	M80	SCO	GC	16:16:59	-22:58:53	7.2	8.5			2	Dec31-Oct1	Mar18-May27-Jun20	Jan14-Sep2	
6121	M4	SCO	GC	16:23:25	-26:31:52	5.9	25			1	Jan7-Sep23	Mar21-May28-Jun22	Jan24-Aug20	
6144		SCO	GC	16:27:17	-26:01:53	9.1	9			3	Jan7-Sep27	Mar24-May29-Jun23	Jan24-Aug24	
6231		SCO	CN	16:53:59	-41:47:48	2.6	230			2	-	Apr8-Jun5-Jun30	-	
6242		SCO	OC	16:55:35	-39:29:49	6.4	8.5	23		3	Mar31-Jul7	Apr8-Jun5-Jul1	-	
6281		SCO	CN	17:04:47	-37:53:49	5.4	7.9			3	Mar5-Aug6	Apr14-Jun8-Jul4	-	
6302		SCO	PN	17:13:42	-37:05:52	9.6	1.3			4	Mar2-Aug21	Apr19-Jun10-Jul7	-	Bug Nebula
6374		SCO	OC	17:32:17	-32:35:52	~9	3 ?			5	Feb13-Oct2	Apr30-Jun15-Jul14	Mar26-Aug15	
6383		SCO	CN	17:34:47	-32:33:52	5.5	4.7			3	Feb15-Oct4	May1-Jun15-Jul15	Mar27-Aug17	
6396		SCO	OC	17:38:05	-34:59:51	8.5	2.9	22		4	Feb27-Sep21	May3-Jun16-Jul16	-	
6405	M6	SCO	OC	17:40:05	-32:12:52	4.6	24	331		1	Feb15-Oct8	May4-Jun17-Jul17	Mar26-Aug24	Butterfly Cluster
6400		SCO	OC	17:40:47	-36:56:50	~9	7.9			4	Mar14-Sep7	May4-Jun17-Jul18	-	
6416		SCO	OC	17:44:23	-32:20:52	5.7	17	304		2	Feb17-Oct9	May7-Jun18-Jul19	Mar30-Aug25	
6425		SCO	OC	17:46:53	-31:31:52	7.2	7.9	73		3	Feb15-Oct14	May8-Jun18-Jul20	Mar23-Sep4	
6441		SCO	GC	17:50:11	-37:02:51	7.4	7.7			3	Mar20-Sep11	May10-Jun19-Jul22	-	
6451		SCO	OC	17:50:41	-30:12:53	~8	7.9			3	Feb12-Oct21	May10-Jun19-Jul22	Mar16-Sep17	
6453		SCO	GC	17:50:53	-34:35:52	9.9	3.4			5	Mar3-Sep30	May10-Jun19-Jul23	-	
6475	M7	SCO	OC	17:53:53	-34:48:52	5	59	54		1	Mar5-Oct1	May12-Jun20-Jul24	-	
6649		SCT	OC	18:33:29	-10:24:00	8.9	5.8	477		3	Jan19-Dec10	May29-Jun30-Aug15	Feb2-Nov28	
6664		SCT	OC	18:36:41	-08:13:01	7.8	15	60		4	Jan17-Dec13	May31-Jul1-Aug16	Jan31-Dec2	
6683		SCT	OC	18:42:11	-06:17:02	9.4	10	27		5	Jan16-Dec16	Jun2-Jul2-Aug20	Jan30-Dec6	
6694	M26	SCT	OC	18:45:11	-09:24:01	9.5	8.5	120		3	Jan21-Dec14	Jun3-Jul3-Aug21	Feb5-Dec2	
6704		SCT	OC	18:50:53	-05:12:02	9.2	5.8	71		4	Jan17-Dec19	Jun5-Jul5-Aug25	Jan31-Dec9	
6705	M11	SCT	OC	18:51:05	-06:16:01	6	11	682		1	Jan19-Dec18	Jun5-Jul5-Aug25	Feb2-Dec8	Wild Duck Cluster
6712		SCT	GC	18:53:05	-08:42:01	8.2	7.1			3	Jan22-Dec17	Jun6-Jul5-Aug26	Feb6-Dec5	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
5904	M5	SER	GC	15:18:36	02:04:58	6.2	12			1	Nov23-Oct28	Feb19-May12-Jun8	Dec2-Oct9	
6535		SER	GC	18:03:47	-00:18:03	10.6	3.5			5	Dec31-Dec13	May17-Jun23-Jul29	Jan11-Dec2	
6539		SER	GC	18:04:47	-07:35:00	9.8	6.6			4	Jan7-Dec6	May17-Jun23-Jul29	Jan20-Nov24	
6604		SER	CN	18:18:05	-12:13:59	6.5	1.9			3	Jan17-Dec4	May23-Jun26-Aug6	Jan31-Nov21	
6611	M16	SER	NB	18:18:47	-13:46:59	6	6.9			1	Jan19-Dec2	May23-Jun27-Aug6	Feb3-Nov19	Eagle Nebula
IC4756		SER	OC	18:38:59	05:26:55	5.4	51	466		2	Jan2-Dec26	Jun1-Jul2-Aug17	Jan14-Dec17	
2974		SEX	GX	09:42:37	-03:42:09	10.9	3.4		S	5	Sep24-Jun4	Nov23-Feb16-Apr10	Oct3-May27	
3115		SEX	GX	10:05:13	-07:43:07	8.9	7.1		E	2	Oct2-Jun5	Nov28-Feb21-Apr14	Oct10-May28	Spindle Galaxy
3166		SEX	GX	10:13:49	03:25:52	10.4	4.7		S0	4	Sep25-Jun16	Nov30-Feb23-Apr16	Oct3-Jun7	
3169		SEX	GX	10:14:13	03:27:53	10.2	4.2		Sa	4	Sep25-Jun16	Nov30-Feb24-Apr16	Oct3-Jun7	
6838	M71	SGE	GC	19:53:46	18:46:54	9	5.8			3	All Year	Jun22-Jul21-Sep29	Jan20-Jan13	
6440		SGR	GC	17:48:53	-20:21:56	9.1	5.3			3	Jan20-Nov14	May9-Jun19-Jul21	Feb6-Oct26	
6494	M23	SGR	OC	17:56:47	-19:00:57	7	29	131		2	Jan20-Nov19	May13-Jun21-Jul25	Feb6-Nov2	
6514	M20	SGR	NB	18:02:17	-23:01:55	6.3	24			1	Jan29-Nov13	May16-Jun22-Jul28	Feb18-Oct25	Trifid Nebula
6522		SGR	GC	18:03:35	-30:01:53	8.5	5.5			3	Feb16-Oct27	May17-Jun23-Jul29	Mar21-Sep24	
6523	M8	SGR	NB	18:03:47	-24:22:55	5	76			1	Feb2-Nov11	May17-Jun23-Jul29	Feb23-Oct21	Lagoon Nebula
6531	M21	SGR	OC	18:04:35	-22:29:56	7	9.5	63		2	Jan29-Nov15	May17-Jun23-Jul29	Feb18-Oct27	
6530		SGR	OC	18:04:47	-24:19:55	4.6	14	113		1	Feb2-Nov11	May17-Jun23-Jul29	Feb23-Oct21	
6528		SGR	GC	18:04:47	-30:02:53	9.5	3.5			4	Feb17-Oct27	May17-Jun23-Jul29	Mar22-Sep25	
6546		SGR	OC	18:07:11	-23:19:56	8	12	53		3	Jan31-Nov14	May18-Jun24-Jul30	Feb21-Oct25	
6544		SGR	GC	18:07:17	-24:59:55	8.2	6.9			3	Feb4-Nov11	May18-Jun24-Jul30	Feb27-Oct20	
6553		SGR	GC	18:09:17	-25:53:55	8.3	5.8			3	Feb7-Nov9	May19-Jun24-Aug1	Mar3-Oct18	
6558		SGR	GC	18:10:18	-31:45:53	9.8	3.5			5	Feb26-Oct23	May19-Jun24-Aug1	Apr8-Sep15	
6568		SGR	OC	18:12:47	-21:35:56	~9	12			4	Jan30-Nov19	May21-Jun25-Aug3	Feb18-Nov1	
6569		SGR	GC	18:13:35	-31:49:53	8.7	5.5			3	Feb28-Oct25	May21-Jun25-Aug3	Apr10-Sep16	
6583		SGR	OC	18:15:47	-22:07:56	~10	2.9			5	Feb1-Nov19	May22-Jun26-Aug4	Feb21-Nov1	
6595		SGR	NB	18:16:59	-19:52:57	~7	3.9			4	Jan28-Nov23	May22-Jun26-Aug5	Feb15-Nov7	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
6603	M24	SGR	OC	18:18:23	-18:24:57	4.6	89			2	Jan26-Nov25	May22-Jun26-Aug5	Feb12-Nov10	Delle Caustiche
6613	M18	SGR	OC	18:19:53	-17:07:58	8	6.9	40		2	Jan24-Nov28	May24-Jun27-Aug6	Feb10-Nov13	
6618	M17	SGR	NB	18:20:47	-16:10:58	6	44			1	Jan23-Nov30	May24-Jun27-Aug7	Feb9-Nov16	Swan or Omega Nebula
6624		SGR	GC	18:23:41	-30:21:54	8.1	5.8			3	Feb26-Nov2	May25-Jun28-Aug8	Apr4-Oct3	
6626	M28	SGR	GC	18:24:29	-24:51:56	8	5.8			2	Feb10-Nov16	May26-Jun28-Aug9	Mar6-Oct27	
6638		SGR	GC	18:30:53	-25:29:56	9.2	4.7			4	Feb14-Nov17	May29-Jun30-Aug13	Mar12-Oct28	
6637	M69	SGR	GC	18:31:22	-32:20:54	7.5	3.9			2	Mar10-Oct30	May29-Jun30-Aug13	Apr26-Sep21	
IC4725	M25	SGR	OC	18:31:35	-19:14:58	6	19	601		1	Feb1-Nov28	May29-Jun30-Aug13	Feb20-Nov13	
6642		SGR	GC	18:31:53	-23:28:56	9.4	4.2			4	Feb10-Nov21	May29-Jun30-Aug13	Mar4-Nov3	
6645		SGR	OC	18:32:35	-16:53:58	~9	9.5			3	Jan28-Dec2	May29-Jun30-Aug14	Feb15-Nov18	
6652		SGR	GC	18:35:47	-32:58:54	8.9	3.4			4	Mar16-Oct29	May31-Jul1-Aug16	May5-Sep17	
6656	M22	SGR	GC	18:36:22	-23:53:56	6	17			1	Feb12-Nov22	May31-Jul1-Aug16	Mar8-Nov4	
6681	M70	SGR	GC	18:43:10	-32:17:54	8	3.9			3	Mar16-Nov3	Jun2-Jul3-Aug20	May2-Sep28	
6716		SGR	OC	18:54:35	-19:52:58	6.9	6.9	38		3	Feb10-Dec3	Jun6-Jul6-Aug26	Mar4-Nov16	
6715	M54	SGR	GC	18:55:04	-30:28:56	9	5.8			3	Mar13-Nov13	Jun6-Jul6-Aug27	Apr23-Oct16	
6723		SGR	GC	18:59:34	-36:37:54	7.3	10			3	Apr24-Oct19	Jun8-Jul7-Aug30	-	
6809	M55	SGR	GC	19:39:58	-30:57:58	7	14			2	Apr9-Nov25	Jun19-Jul17-Sep22	May20-Nov1	
6818		SGR	PN	19:43:58	-14:09:01	9.3	0.4			4	Feb18-Dec22	Jun20-Jul18-Sep24	Mar11-Dec11	Little Gem Nebula
6864	M75	SGR	GC	20:06:04	-21:55:01	8	2.9			3	Mar19-Dec18	Jun25-Jul24-Oct5	Apr18-Dec5	
Mel22	M45	TAU	OC	03:45:48	24:21:56	1.5	89			1	Jul2-Apr24	Sep16-Nov18-Feb3	Jul11-Apr16	Pleiades Cluster
MEL25		TAU	OC	04:26:54	15:51:53	0.5	1300	380		1	Jul16-Apr25	Sep23-Nov28-Feb11	Jul23-Apr17	Hyades Cluster
1647		TAU	OC	04:46:00	19:03:54	6.4	44	117		3	Jul17-Apr30	Sep27-Dec3-Feb14	Jul25-Apr22	
1746		TAU	OC	05:03:36	23:48:56	~6	40			4	Jul16-May7	Sep30-Dec7-Feb18	Jul24-Apr29	
1807		TAU	OC	05:10:42	16:31:53	7	16	37		4	Jul23-May2	Oct2-Dec9-Feb19	Jul31-Apr25	
1817		TAU	OC	05:12:06	16:41:53	7.7	15	283		3	Jul23-May3	Oct2-Dec9-Feb19	Jul31-Apr25	
1952	M1	TAU	NB	05:34:30	22:00:55	8.4	5.9			3	Jul23-May11	Oct6-Dec15-Feb24	Jul31-May3	Crab Nebula
598	M33	TRI	GX	01:33:53	30:38:58	5.7	59		Sc	2	May8-Apr7	Aug23-Oct15-Jan8	Jun1-Mar29	Pinwheel Galaxy

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
672		TRI	GX	01:47:53	27:25:56	10.9	7.1		SBC	5	May23-Apr6	Aug25-Oct18-Jan11	Jun11-Mar28	
925		TRI	GX	02:27:17	33:34:59	10.1	10		S	4	May25-Apr19	Sep1-Oct28-Jan19	Jun13-Apr10	
2681		UMA	GX	08:53:31	51:18:59	10.3	3.5		Sa	4	All Year	Nov13-Feb3-Apr2	All Year	
2768		UMA	GX	09:11:38	60:01:59	9.9	7.9		E	3	All Year	Nov17-Feb8-Apr5	All Year	
2787		UMA	GX	09:19:20	69:12:02	10.8	3.1		SB0	5	All Year	Nov19-Feb10-Apr6	All Year	
2841		UMA	GX	09:22:01	50:57:57	9.2	7.9		Sb	3	All Year	Nov19-Feb10-Apr7	All Year	
2950		UMA	GX	09:42:37	58:51:06	10.9	2.6		SB0	5	All Year	Nov23-Feb16-Apr10	All Year	
2976		UMA	GX	09:47:20	67:54:58	10.2	5.8		Sc	4	All Year	Nov24-Feb17-Apr11	All Year	
2985		UMA	GX	09:50:27	72:17:00	10.4	4.5		Sb	5	All Year	Nov25-Feb18-Apr12	All Year	
3031	M81	UMA	GX	09:55:38	69:03:56	6.9	25		Sb	1	All Year	Nov26-Feb19-Apr13	All Year	Bode's Galaxy
3034	M82	UMA	GX	09:55:50	69:40:56	8.4	8.5		Irr	1	All Year	Nov26-Feb19-Apr13	All Year	Bode's Galaxy
3079		UMA	GX	10:02:01	55:40:56	10.9	7.7		Scd	5	All Year	Nov27-Feb20-Apr14	All Year	
3077		UMA	GX	10:03:20	68:43:57	9.9	5.3		Irr	3	All Year	Nov27-Feb21-APr14	All Year	
3184		UMA	GX	10:18:19	41:24:54	9.8	7.1		Sc	3	All Year	Nov30-Feb25-Apr17	Aug31-Aug7	
3198		UMA	GX	10:19:55	45:32:54	10.3	8.2		Sc	4	All Year	Dec1-Feb25-Apr17	All Year	
3310		UMA	GX	10:38:43	53:29:55	10.8	3		Sb	5	All Year	Dec5-Mar2-Apr20	All Year	
3359		UMA	GX	10:46:38	63:12:56	10.6	7.1		SBC	5	All Year	Dec6-Mar4-Apr21	All Year	
3556	M108	UMA	GX	11:11:31	55:39:51	10.1	7.9		Sc	2	All Year	Dec11-Mar10-Apr26	All Year	
3587	M97	UMA	PN	11:14:49	55:00:51	11	2.3			3	All Year	Dec12-Mar11-Apr26	All Year	Owl Nebula
3610		UMA	GX	11:18:26	58:46:54	10.8	2.6		S0	5	All Year	Dec13-Mar12-Apr27	All Year	
3613		UMA	GX	11:18:38	58:00:02	10.9	3.8		E	5	All Year	Dec13-Mar12-Apr27	All Year	
3631		UMA	GX	11:21:01	53:09:53	10.4	4.7		Sc	4	All Year	Dec14-Mar13-Apr27	All Year	
3665		UMA	GX	11:24:43	38:45:53	10.8	2.3		E	5	All Year	Dec14-Mar13-Apr28	Sep16-Sep4	
3675		UMA	GX	11:26:07	43:34:59	10.2	5.8		Sb	4	All Year	Dec15-Mar14-Apr28	All Year	
3718		UMA	GX	11:32:37	53:03:53	10.8	7.9		S0	5	All Year	Dec16-Mar15-Apr29	All Year	
3726		UMA	GX	11:33:19	47:01:52	10.4	6.1		Sc	4	All Year	Dec16-Mar16-Apr29	All Year	
3877		UMA	GX	11:46:06	47:30:10	11	5.3		Sc	5	All Year	Dec19-Mar19-May2	All Year	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
3893		UMA	GX	11:48:37	48:42:59	10.5	4.2		Sc	5	All Year	Dec19-Mar20-May2	All Year	
3898		UMA	GX	11:49:13	56:04:52	10.7	4.2		Sa	5	All Year	Dec20-Mar20-May2	All Year	
3938		UMA	GX	11:52:49	44:06:51	10.4	5.3		Sc	4	All Year	Dec20-Mar21-May3	All Year	
3941		UMA	GX	11:52:55	36:58:57	10.3	3.5		S0	4	All Year	Dec20-Mar21-May3	Sep23-Sep14	
3945		UMA	GX	11:53:14	60:40:52	10.8	5.5		SB0	5	All Year	Dec20-Mar21-May3	All Year	
3953		UMA	GX	11:53:49	52:19:51	10.1	6.6		SBb	4	All Year	Dec21-Mar21-May3	All Year	
3992	M109	UMA	GX	11:57:37	53:22:50	9.8	7.9		SBb	3	All Year	Dec22-Mar22-May4	All Year	
3998		UMA	GX	11:57:55	55:26:52	10.7	2.6		S0	5	All Year	Dec22-Mar22-May4	All Year	
4026		UMA	GX	11:59:25	50:57:59	10.8	5		S0	5	All Year	Dec22-Mar22-May4	All Year	
4036		UMA	GX	12:01:26	61:53:52	10.7	4.2		S0	5	All Year	Dec22-Mar23-May4	All Year	
4051		UMA	GX	12:03:13	44:31:51	10.2	5		Sb	4	All Year	Dec23-Mar23-May4	All Year	
4088		UMA	GX	12:05:37	50:32:50	10.6	5.5		Sc	5	All Year	Dec23-Mar24-May5	All Year	
4096		UMA	GX	12:06:01	47:28:51	10.8	6.7		Sc	5	All Year	Dec23-Mar24-May5	All Year	
	M40	UMA	ST	12:22:24	58:05:00	9	0.8			3	All Year	Dec27-Mar28-May8	All Year	
4605		UMA	GX	12:40:02	61:36:58	10.3	5.5		S	4	All Year	Dec31-Apr2-May11	All Year	
5322		UMA	GX	13:49:19	60:11:47	10.2	5.8		E	4	All Year	Jan19-Apr19-May22	All Year	
5457	M101	UMA	GX	14:03:12	54:20:46	7.8	19		Sc	2	All Year	Jan23-Apr23-May25	All Year	Pinwheel Galaxy
4030		VIR	GX	12:00:24	-01:06:07	10.6	4.1		Sb	5	Oct18-Jul12	Dec22-Mar23-May4	Oct27-Jun27	
4179		VIR	GX	12:12:55	01:17:55	11	3.9		S0	5	Oct19-Jul22	Dec25-Mar26-May6	Oct27-Jul4	
4216		VIR	GX	12:15:55	13:08:53	10	7.9		Sb	3	Oct10-Aug18	Dec26-Mar26-May7	Oct19-Jul25	
4261		VIR	GX	12:19:25	05:48:54	10.4	3.9		E	4	Oct17-Aug4	Dec27-Mar27-May7	Oct25-Jul14	
4267		VIR	GX	12:19:49	12:47:53	10.9	3.1		S0	5	Oct11-Aug20	Dec27-Mar27-May7	Oct20-Jul26	
4303	M61	VIR	GX	12:21:55	04:27:55	9.7	4.7		Sb	3	Oct18-Aug2	Dec27-Mar28-May8	Oct27-Jul12	
4365		VIR	GX	12:24:31	07:18:54	9.6	6.6		E	3	Oct17-Aug10	Dec28-Mar29-May8	Oct25-Jul18	
4371		VIR	GX	12:24:55	11:41:53	10.8	3.9		SB0	5	Oct13-Aug20	Dec28-Mar29-May8	Oct21-Jul27	
4374	M84	VIR	GX	12:25:07	12:52:54	9.3	3.9		Eab	3	Oct12-Aug24	Dec28-Mar29-May8	Oct21-Jul29	Markarian's Chain
4406	M86	VIR	GX	12:26:13	12:56:54	9.2	6.9		Ecd	3	Oct12-Aug24	Dec28-Mar29-May9	Oct21-Jul30	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
4429		VIR	GX	12:27:25	11:06:54	10	5.5		S0	4	Oct14-Aug21	Dec28-Mar29-May9	Oct22-Jul27	
4435		VIR	GX	12:27:43	13:04:53	10.8	2.7		SB0	4	Oct13-Aug25	Dec28-Mar29-May9	Oct21-Jul31	The Eyes
4438		VIR	GX	12:27:49	13:00:53	10.2	8.2		S	4	Oct13-Aug25	Dec28-Mar29-May9	Oct21-Jul31	The Eyes
4442		VIR	GX	12:28:07	09:47:54	10.4	4.5		SB0	4	Oct15-Aug18	Dec28-Mar30-May9	Oct24-Jul25	
4457		VIR	GX	12:29:01	03:33:55	10.9	2.6		S0	5	Oct20-Aug4	Dec29-Mar30-May9	Oct29-Jul14	
4472	M49	VIR	GX	12:29:49	07:59:55	8.4	7.9		E	2	Oct17-Aug15	Dec29-Mar30-May9	Oct25-Jul22	
4486	M87	VIR	GX	12:30:48	12:23:54	8.6	6.9		E	2	Oct14-Aug26	Dec29-Mar30-May9	Oct22-Jul31	Virgo A / Smoking Gun
4487		VIR	GX	12:31:07	-08:03:06	10.9	4.1		S	5	Oct30-Jul13	Dec29-Mar30-May9	Nov8-Jun27	
4517		VIR	GX	12:32:49	00:06:56	10.4	10		Sc	4	Oct24-Jul29	Dec30-Mar31-May10	Nov1-Jul10	Reinmuth 80
4526		VIR	GX	12:34:01	07:41:54	9.7	7.1		S0	3	Oct18-Aug16	Dec30-Mar31-May10	Oct26-Jul24	Lost Galaxy
4527		VIR	GX	12:34:07	02:38:55	10.5	6.1		Sb	4	Oct22-Aug5	Dec30-Mar31-May10	Oct30-Jul14	
4535		VIR	GX	12:34:19	08:11:54	10	6.9		Sc	3	Oct18-Aug17	Dec30-Mar31-May10	Oct26-Jul25	Lost Galaxy
4536		VIR	GX	12:34:31	02:10:55	10.6	7.4		Sb	5	Oct22-Aug4	Dec30-Mar31-May10	Oct31-Jul14	
4546		VIR	GX	12:35:31	-03:48:04	10.3	3.1		E	4	Oct27-Jul23	Dec30-Mar31-May10	Nov5-Jul4	
4552	M89	VIR	GX	12:35:42	12:32:54	9.8	2.9		E	3	Oct14-Aug29	Dec30-Mar31-May10	Oct23-Aug4	
4568		VIR	GX	12:36:37	11:13:54	10.8	4.5		Sc	5	Oct16-Aug26	Dec31-Apr1-May10	Oct24-Aug1	Siamese Twins
4569	M90	VIR	GX	12:36:48	13:09:54	9.5	8.5		Sb	3	Oct14-Aug31	Dec31-Apr1-May10	Oct23-Aug5	
4570		VIR	GX	12:36:55	07:14:54	10.9	3.7		S0	5	Oct19-Aug17	Dec31-Apr1-May10	Oct27-Jul24	
4579	M58	VIR	GX	12:37:42	11:48:54	9.8	4.7		Sb	3	Oct15-Aug29	Dec31-Apr1-May10	Oct24-Aug3	
4593		VIR	GX	12:39:43	-05:21:06	10.9	3.8		SBbc	5	Oct29-Jul21	Dec31-Apr1-May11	Nov7-Jul4	
4596		VIR	GX	12:39:55	10:10:54	10.4	3.9		SB0	4	Oct17-Aug26	Dec31-Apr2-May11	Oct26-Jul31	
4594	M104	VIR	GX	12:40:01	-11:37:00	8.2	6.9		Sbc	2	Nov4-Jul10	Dec31-Apr2-May11	Nov13-Jun25	Sombrero Galaxy
4612		VIR	GX	12:41:31	07:18:54	10.9	2.3		S0	5	Oct20-Aug20	Jan1-Apr2-May11	Oct28-Jul26	
4621	M59	VIR	GX	12:42:00	11:38:54	9.8	1.9		E	3	Oct16-Aug30	Jan1-Apr2-May11	Oct25-Aug5	
4636		VIR	GX	12:42:49	02:40:55	9.5	5.8		E	3	Oct24-Aug10	Jan1-Apr2-May11	Nov1-Jul18	
4643		VIR	GX	12:43:19	01:58:55	10.8	3		SB0	5	Oct24-Aug8	Jan1-Apr2-May11	Nov2-Jul17	
4649	M60	VIR	GX	12:43:37	11:32:54	8.8	3.4		E	2	Oct17-Aug31	Jan1-Apr2-May11	Oct25-Aug6	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
4654		VIR	GX	12:44:01	13:07:53	10.5	4.7		Sc	4	Oct16-Sep5	Jan1-Apr3-May12	Oct24-Aug10	
4666		VIR	GX	12:45:07	-00:28:05	10.7	4.5		Sc	4	Oct26-Aug4	Jan1-Apr3-May12	Nov4-Jul14	
4665		VIR	GX	12:45:07	03:02:54	10.5	3.7		SB0	5	Oct24-Aug12	Jan1-Apr3-May12	Nov1-Jul20	
4698		VIR	GX	12:48:25	08:28:54	10.6	3.9		Sa	5	Oct20-Aug26	Jan2-Apr4-May12	Oct29-Aug1	
4697		VIR	GX	12:48:37	-05:48:03	9.2	7.1		E	3	Oct31-Jul25	Jan2-Apr4-May12	Nov9-Jul6	
4699		VIR	GX	12:49:01	-08:40:02	9.5	3.7		S	3	Nov3-Jul19	Jan2-Apr4-May12	Nov12-Jul2	
4754		VIR	GX	12:52:19	11:18:53	10.6	4.5		SB0	4	Oct19-Sep5	Jan3-Apr5-May13	Oct27-Aug10	
4753		VIR	GX	12:52:25	-01:12:04	9.9	5.8		S	3	Oct29-Aug6	Jan3-Apr5-May13	Nov6-Jul15	
4762		VIR	GX	12:52:55	11:13:54	10.3	8.5		SB0	4	Oct19-Sep5	Jan3-Apr5-May13	Oct27-Aug10	
4856		VIR	GX	12:59:19	-15:02:01	10.5	4.2		S	4	Nov11-Jul11	Jan5-Apr6-May14	Nov20-Jun26	
4902		VIR	GX	13:01:01	-14:31:05	10.9	2.9		SBcd	5	Nov11-Jul13	Jan5-Apr7-May14	Nov20-Jun27	
4958		VIR	GX	13:05:49	-08:01:02	10.7	3.9		E	5	Nov6-Jul29	Jan7-Apr8-May15	Nov14-Jul9	
5018		VIR	GX	13:13:01	-19:31:00	10.8	3.1		S0	5	Nov18-Jul8	Jan9-Apr10-May16	Nov28-Jun22	
5044		VIR	GX	13:15:25	-16:23:04	10.8	2.9		E	5	Nov15-Jul15	Jan9-Apr11-May17	Nov25-Jun28	
5084		VIR	GX	13:20:19	-21:50:04	10.5	9		S0	5	Nov22-Jul5	Jan10-Apr12-May18	Dec3-Jun20	
5363		VIR	GX	13:56:06	05:14:56	10.1	3.9		E	4	Nov5-Sep26	Jan21-Apr21-May24	Nov13-Sep2	
5364		VIR	GX	13:56:12	05:00:56	10.5	6.6		Sb	5	Nov5-Sep26	Jan21-Apr21-May24	Nov13-Sep2	
5566		VIR	GX	14:20:18	03:55:56	10.6	6.3		SBa	5	Nov11-Oct6	Jan28-Apr27-May28	Nov19-Sep13	
5576		VIR	GX	14:21:06	03:15:56	11	3.4		Ebc	5	Nov11-Oct5	Jan28-Apr27-May28	Nov20-Sep12	
5634		VIR	GC	14:29:36	-05:59:01	9.4	4.7			4	Nov20-Sep19	Jan31-Apr29-May30	Nov29-Aug25	
5701		VIR	GX	14:39:13	05:21:55	10.9	4.2		SB0	5	Nov13-Oct17	Feb4-May2-May31	Nov22-Sep26	
5746		VIR	GX	14:44:54	01:56:57	10.3	7.1		Sb	4	Nov17-Oct13	Feb6-May3-Jun1	Nov26-Sep22	
5813		VIR	GX	15:01:12	01:41:57	10.5	4.1		E	5	Nov20-Oct20	Feb12-May7-Jun4	Nov29-Sep30	
5838		VIR	GX	15:05:24	02:05:56	10.9	4.1		S0	5	Nov21-Oct23	Feb14-May8-Jun5	Nov30-Oct3	
5846		VIR	GX	15:06:24	01:35:57	10	3.9		E	4	Nov21-Oct22	Feb14-May9-Jun5	Nov30-Oct2	
5850		VIR	GX	15:07:07	01:32:55	10.8	4.2		SBb	5	Nov22-Oct22	Feb14-May9-Jun6	Nov30-Oct2	
6802		VUL	OC	19:30:35	20:15:52	8.8	2.9	201		3	All Year	Jun17-Jul15-Sep17	Jan11-Jun9	

OAOG Challenge - Complete Object List

NGC / IC	Messier	Const.	Type	R.A.	Dec.	Mv	Size	No *	GX Type	Level	Observe	Meridian	Photo	Name
6823		VUL	OC	19:43:05	23:17:52	7.1	11	79		3	All Year	Jun20-Jul18-Sep23	All Year	
6830		VUL	OC	19:50:59	23:03:52	7.9	11	82		3	All Year	Jun22-Jul20-Sep27	All Year	
6853	M27	VUL	PN	19:59:34	22:42:53	8	8			1	All Year	Jun24-Jul22-Oct2	All Year	Dumbell Nebula
6882		VUL	OC	20:11:40	26:32:52	8.1	17			5	All Year	Jun26-Jul25-Oct8	All Year	
6885		VUL	OC	20:11:58	26:28:52	~8.1	6.9	34		5	All Year	Jun26-Jul25-Oct8	All Year	
6940		VUL	OC	20:34:34	28:17:52	6.3	30	170		2	All Year	Jul1-Jul31-Oct18	All Year	